

In the Claims

Claims 1-94 (canceled)

95. (currently amended) An isolated and purified polypeptide which facilitates binding of a retroviral vector to a target cell having CS-1 binding properties, wherein said retroviral vector is capable of transferring a gene into said target cell, and wherein said polypeptide is a polypeptide consisting binds to a retroviral vector and the target cell and consists essentially of: SEQ. ID No. 5 or a polypeptide encoded by a gene which hybridizes to a complement of SEQ. ID No. 26 under highly stringent conditions.

Claims 96 and 97 (canceled)

98. (new) An isolated and purified polypeptide which facilitates binding of a retroviral vector to a target cell having CS-1 binding properties, wherein said retroviral vector is capable of transferring a gene into said target cell, and wherein said polypeptide binds to a retroviral vector and the target cell, and consists essentially of a polypeptide encoded by a nucleic acid which hybridizes to a complement of SEQ. ID No. 26 after incubation in 6X SSC/0.5% SDS, 0.1% BSA, 0.1% polyvinyl pyrrolidone, 0.1% Ficoll 400 and 0.01% denatured salmon sperm DNA at 50°C for 12 to 20 hours, washing in 2X SSC/0.5% SDS at 37°C, and washing in 0.1 x SSC at 50°C.